DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP 130 Water Street Boston, Massachusetts 02109

Attorney's	Docket	No.	48449

Page 1 of 4

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

		OPTICAL REPRODUCING DEVICE AND OPTICAL MEMORY MEDIUM
which is des	cribed and	claimed in:
C	X	the specification attached hereto.
		the specification in U.S. Application Serial Number, filed on
		the specification in PCT international application Number filed on; and was amended on
as amended examination priority bend below and h	by any am of this appefits under ave also ic	that I have reviewed and understand the contents of the above identified specification, including the claims endment referred to above. I acknowledge the duty to disclose information which is material to the plication in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed dentified below any foreign application for patent or inventor's certificate having a filing date before that of ch priority is claimed.
		Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. 119:

Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. 119:			
Application No.	Filing Date	Country	Priority Claimed Under 35 U.S.C. 119?
9–167009	Jun. 24, 1997	Japan	ŒYES ⊡NO
9–192361	Jul. 17, 1997	Japan	ØYES □NO
			□YES □NO
		*	□YES □NO
			□YES □NO
	·		□YES □NO
			□YES □NO

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Prior U.S. Applic	ations or PCT Interna	tional Applications Designating th	e U.S-Benefit	Under 35 U	.S.C. §120
	U.S. Application	ons	Status (Check One)		
Application	n Serial No.	U.S. Filing Date	U.S. Filing Date Patented Pending	Patented Pending Abando	
C PC	T Applications Design	ating the U.S.			
Application No.	Filing Date	U.S. Serial No. Assigned			
IJ					
. <u> </u>					

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (35 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Applicant	Provisional Application Number	Filing Date

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Sewall P. Bronstein David G. Conlin	(Reg. No. 16,919) (Reg. No. 27,026)	Linda M. Buckley Ronald I. Eisenstein	(Reg. No. 31,003) (Reg. No. 30,628)	David S. Resnick Peter F. Corless	(Reg. No. 34,235) (Reg. No. 33,860)
George W. Neuner	(Reg. No. 26,964)	Henry D. Pahl, Jr.	(Reg. No. 20.438)		
Eman 3/ 1 inch	(D N- 10 933)	Decen I Manus	(Per No. 26 766)		

SEND CORRESPONDENCE TO:

David G. Conlin, Esq. Dike, Bronstein, Roberts & Cushman, LLP 130 Water Street Boston, Massachusetts 02109

DIRECT TELEPHONE CALLS TO:

David G. Conlin, Esq.

(617) 523-3400

\neg	FULL NAME	LAST NAME	FIRST NAME	MIDOLE NAME
	OF INVENTOR	Okumura	Tetsuya	
2	RESIDENCE &	спү	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
î	CITIZENSHIP	Tenri-shi	Nara Japan	Japan
- 1	POST OFFICE ADDRESS	POST OFFICE ADDRESS	СПУ	STATE OR COUNTRY AND ZIP CODE
	6	2613-1-956, Ichinomoto-cho	Tenri-shi	Nara 632-0004 Japan
	(I			
	FULL NAME OF ANY ENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
		Fuji	Hiroshi	
	RESIDENCE &	σην 7-13-10; Hikaridai	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
2	Ü	Seika-cho	Soraku-gun	Kyoto 619-0237 Japan
	POSE OFFICE ADDRESS	POST OFFICE ADDRESS	СПҮ	STATE OR COUNTRY AND ZIP CODE
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	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2 0 3	RESIDENCE &	СПҮ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	СІТҮ	STATE OR COUNTRY AND ZIP CODE
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	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
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	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2 0 5	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLS NAME
2 0 6	RESIDENCE & CITIZENSHIP	стт	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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		LAST NAME	I	
ان مان	FULL NAME OF INVENTOR		FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	cmy	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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į.	<u>.</u>			
) (A)	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2 P	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	спү	STATE OR COUNTRY AND ZIP CODE
	*			1

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201		Signature of Inventor 202	
Tetsuya ÛKU	IMURA	Hiroshi Fuji	
Date: June 1	, 1998	Date: June 1, 1998	



We <u>Tetsuya OKUMURA</u>	
Hiroshi FWI	
and for good and valuable consideration from SHARP KABUS	HTKT KATSHA
, a Japanese	
having its principal place of business in Osaka, Ji hereinafter called the Assignee, receipt of which is he sell, assign and transfer unto the Assignee, its successignt, title and interest in, to and under an application of Improvements in OPTICAL REPRODUCING DEVICE AND ASSIGNED ASSIGNED AND ASSIGNED AND ASSIGNED	apan ereby acknowledged, do hereby essors and assigns, the entire ion for Letters Patent of the * signed by us
including all priority rights ensuing therefrom, and therein set forth and described, and any and all Letter and of countries foreign thereto which may be granted with the right to apply for such Letters Patent.	rs Patent of the United States
And for the above consideration we agree promptits successors or assigns, to execute and deliver with power of attorney, assignment, application, whether or or reissue, or other papers which may be necessary or of Assignee, its successors and assigns, the inventions as application and all patent rights therein, in the Unit foreign thereto.	out further compensation any iginal, divisional, continuation desirable fully to secure to the and any of them described in said
The undersigned hereby grant(s) the law firm of Cushman the power to insert on this Assignment which may be necessary or desirable in order to U.S. Patent and Trademark Office for recordation of	any further identification comply with the rules of the
IN WITNESS WHEREOF, I, Tetsuya OKUMURA hand and seal this 1st day of June	, hereunto set my , 1998 I, Hiroshi FUJI
	/
, hereunto set my hand and sea	l this 1st day of June
, hereunto set my hand and sea	this 1st day of June percunto set my hand and seal
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, hereunto set my hand and sea	this 1st day of June pereunto set my hand and seal Tetsuya OKUMURA
commonwealth [State] ofss.	Tetsuya OKUMURA Tetsuya OKUMURA Tuji Hereski H.F. Nuruski Tuji
commonwealth [State] ofss.	Tetsuya OKUMURA Tetsuya OKUMURA Tuji Hereski H.F. Nuruski Tuji
, hereunto set my hand and seal 19 98 and I, this day of , 19	Tetsuya OKUMURA Tetsuya OKUMURA Tuji Hereski H.F. Nuruski Tuji
commonwealth [State] ofss.	Tetsuya OKUMURA Tetsuya OKUMURA Tuji Hereski H.F. Nuruski Tuji
commonwealth [State] ofss.	Tetsuya OKUMURA Tetsuya OKUMURA Tuji Hereski H.F. Nuruski Tuji , 19_, personally appeared y known, and acknowledged free act and deed.
Commonwealth [State] of	Tetsuya OKUMURA Tetsuya OKUMURA Tuji Hereski H.F. Nuruski Tuji
commonwealth [State] ofss.	Tetsuya OKUMURA Tetsuya OKUMURA Tuji Hereski H.F. Nuruski Tuji , 19_, personally appeared y known, and acknowledged free act and deed.
Commonwealth [State] of, who is to me personall the foregoing instrument of assignment to be [her] his County of, ss.	Tetsuya OKUMURA Tetsuya OKUMURA Tetsuya OKUMURA Tuji Heresti H.F. Nurushi Tuji , 19_, personally appeared y known, and acknowledged free act and deed. Notary Public
Commonwealth [State] of	Tetsuya OKUMURA Tetsuya OKUMURA Tetsuya OKUMURA Tuji Heresti H.F. Nurushi Tuji , 19_, personally appeared y known, and acknowledged free act and deed. Notary Public
Commonwealth [State] of, who is to me personall the foregoing instrument of assignment to be [her] his County of, ss.	Tetsuya OKUMURA Tetsuya OKUMURA Tetsuya OKUMURA Tuji Heresti H.F. Nurushi Tuji , 19_, personally appeared y known, and acknowledged free act and deed. Notary Public

*Where the application is assigned before it is filed, and hence has no Serial No., this shall be left blank.

FORM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) Copyright 1996-97 LegalStar P08A/REV02

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RECORDATION FORM COVER SHE

U.S. DEPARTMENT OF COMMERC

ncket No.: 48449

Patent and Trademark Offi

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying party(ies): Tetsuya Okumura	Name and address of receiving party(ies):
Hiroshi Fuji	Name: Sharp Kabushiki Kaisha
	Address: 22-22 Nagaiki-cho Abeno-ku
Additional names(s) of conveying party(ies)	Osaka 545-8522 JAPAN
3. Nature of conveyance:	. —
★ Assignment	
☐ Security Agreement ☐ Change of Name	City: State/Prov.:
☐ Other	Country: ZIP:
Execution Date: June 1, 1998	Additional name(s) & address(es) ☐ Yes ☒ No
4. Application number(s) or registration numbers(s):	
this document is being filed together with a new application.	the execution date of the application is: June 1, 1998
Patent Application No. Filing date	B. Patent No.(s)
\{C	
Additional numbers	☐ Yes ☒ No
5 Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: David G. Conlin	7. Total fee (37 CFR 3.41):\$ 1,000.00
Nation No. 27,026	Enclosed - Any excess or insufficiency should be
Address: Dike, Bronstein, Roberts & Cushman, LLP	credited or debited to deposit account
Acres : ====	☐ Authorized to be charged to deposit account
	8. Deposit account number:
City: Boston State/Prov.: MA	04-1105
Country: U.S.A. ZIP: 02109	
DO NOT	USE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform of the original document. Output Description:	ation is true and correct and any attached copy is a true copy
David G. Conlin	June 24, 1998
Name of Person Signing	Signature Date
Total number of pages including	cover sheet, attachments, and